USER MANUAL

Safe N' See™ Advanced Digital Video Monitor

With Talk To Baby™ Intercom

www.myLevana.com

Model #: LV-TW502

need help?

DO NOT RETURN THIS PRODUCT TO THE STORE

Please contact a Levana customer support representative regarding any additional information on product features, specifications or if you need any help with set-up, we are available 24/7!

Please contact us via one of the methods below:

Email:
support@mylevana.com

Online live web chat:
Visit www.mylevana.com

Toll free telephone:
1.866.946.7828

Toll free fax:
1.888.771.1701

For more product information visit www.mylevana.com

Note: This is manual version 1.0 for this product, you may find updated versions by visiting our website

INTRODUCTION

Congratulations on your purchase of the Levana TW502 Digital Video Baby Monitor! This monitor uses advanced Clearvu® digital technology that will deliver a crystal clear view of your baby's room on the 3.5" LCD screen, from anywhere in your home! Feel free to relax and take comfort in knowing that your child is in good hands with Levana.

TABLE OF CONTENTS

NEED HELP? 2
INTRODUCTION 3
FEATURES 4
BUTTONS AND CONNECTIONS - MONITOR 6
BUTTONS AND CONNECTIONS - CAMERA 8
CAMERA SETUP AND MOUNTING GUIDE 10
SETTING UP YOUR SYSTEM 11
- BATTERY OPERATION 11
- ATTACHING POWER TO THE CAMERA 11
- INSTALLING THE RECHARGEABLE BATTERY 12
- CHARGING THE MONITOR AND RECHARGEABLE BATTERY 12

CAMERA OPERATION 12
- SWITCHING THE CAMERA ON/OFF 12
- NIGHT VISION 13

MONITOR OPERATION 13
- SWITCHING THE MONITOR ON/OFF 13
- SETTING THE BRIGHTNESS 14
- ADJUSTING THE TEMPERATURE DISPLAY 14
- SWITCHING THE NIGHT LIGHT ON/OFF 14
- SELECTING A LULLABY 14
- ADJUSTING THE VOX SENSITIVITY 15
- INTERCOM FEATURE 15
- RANGE 15
- ADJUSTING THE VOLUME 15

PAIRING 16
TROUBLESHOOTING 17
SPECIFICATIONS 18
FCC STATEMENT 19
SAFETY INSTRUCTIONS 20
PRODUCT WARRANTY INFORMATION 21

FEATURES

ClearVu® Digital Wireless Technology
ClearVu® technology ensures outstanding image and sound clarity so that you can watch and listen to your child up to 500ft away[1]. Feel free to move around the house and no matter where you go, you will always see your baby. With Levana, you'll never miss a moment.

Large LCD for Superior Viewing Quality
Imagine what you will catch your baby doing on this bright and clear, large 3.5" LCD screen. With an LCD of this size you will be able to set the monitor down and still see your baby clearly!

Temperature Monitoring to Ensure Safety
Studies indicate that your baby's room should be between 61-68° F (16-20° C). This system is equipped with temperature monitoring so you can monitor the temperature in your baby's room and know they are always comfortable.

Talk to Baby Intercom
Soothe your baby from a distance with the talk-to-baby intercom. With the simple press of a button you can let your baby know you are on your way to their nursery or simply talk to them until they fall back to sleep without having to go into his or her room.

Five Soothing Lullabies
Choose from five different lullabies to soothe your baby to sleep. Turn lullabies on and off as well as change the song being played all from the parent unit with the simple push of a button. Choose from Rock-a-Bye Baby, Hush Little Baby, Itsy-Bitsy Spider, Sleep Baby Sleep and Twinkle Twinkle.

Night Vision
The built-in night vision allows you to see your child, even in complete darkness up to 10ft away. When the lights go down the system automatically adjusts to the level of light. The camera can be placed anywhere in your child's room while still displaying a precise image of your baby[2].

Relaxing Nightlight
The baby unit has a gentle nightlight that you are able to turn on and off from the parent unit. Turn the light on if your baby is getting restless to calm them and turn it off when your baby is asleep, all without going into the baby's room.

Voice Activated Control
Conserve battery power and sleep well at night with VOX activation. VOX allows you to turn off the monitor while your child is safe and sound. It will only turn on when they make noise. You have the ability to adjust the level of sound needed in order for your monitor to turn on.

Rechargeable Monitor
Enjoy up to four hours of continuous audio and video monitoring with a fully charged unit[3].

FEATURES

LED Noise Level Indication Lights
The monitor has LED lights on it that light up to display up to five different levels of sound. This means you can turn the volume all the way down, relax and still know when and how much noise your baby is making.

All-in-One Table Stand and Belt Clip
The table-stand also functions as a belt clip for ultra usability. Place the monitor upright with the table stand when you are in the same room. You can also carry the monitor with you and still have both hands available by using the belt clip.

Energy Efficient Power Adapter
The power adapters save you on power all while saving the environment. They are rated with a Level V efficiency standard which means they are 30% more energy efficient then other conventional power adapters.

Wall Mount on Baby Camera for the Best Viewing Angle
The camera can be wall mounted so you can easily view your baby in its crib as well as see all other parts of the nursery.

24/7 Lifetime Live Customer Support
Our customer support team can be reached by phone 24/7 or by email and live web chat services, so you always have access to an expert.

Disclaimers

1. Optimum range is 150ft when signal is passing through walls or floors. Microwave ovens (when in use) may cause signal disruption at close range. Buildings with metal frames may also cause signal disruption. Maximum transmission range is 500ft.
2. Night vision range up to 10ft under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
3. Battery life of 4 hours based on full duration testing. Battery life may vary depending on usage.
4. Product may not be exactly as shown on the package. Some images are used for illustration purposes only.

Notes

- Levana does not endorse any of its products for illegal activities. Levana is not responsible or liable in any way for any damage, vandalism, theft or any other action that may occur while a Levana product is in use by the purchaser.
- For safety reasons, baby monitors with power cords should never be hung on or near the crib. Power cords should be kept at least 3 feet away from the crib and baby's reach at all times.

BUTTONS AND CONNECTIONS - MONITOR

BUTTONS AND CONNECTIONS - MONITOR

1. **Antenna**
   Transmits and receives signals
2. **Rechargeable Battery Compartment**
   Insert the rechargeable battery here
3. **Belt Clip and Support Stand**
   Flip up to use as a belt clip, or down to use as a support stand
4. **Speaker**
5. **ON/OFF Button**
   Turns the unit ON and OFF
6. **Talk Button**
   Enables you to speak through the camera intercom
7. **Menu Button**
   Brings up the menu options
8. **Power LED**
   Indicates the amount of battery left, green means the battery is charged, red means the battery power is low
9. **VOX LED**
   Illuminates green when VOX is enabled
10. **Volume Level LEDs**
    Indicates the amount of sound being heard by the camera
11. **Microphone**
    Press the talk button and speak into the microphone to talk to your baby
12. **Volume Buttons**
    Increases/decreases the volume through the speakers; adjust settings in the menu
13. **Play/Pause**
    Plays or pauses the lullaby playing through the camera
14. **Lullaby Selector**
    Selects the lullaby that the camera will play
15. **LCD Screen**
    Displays video of your baby

BUTTONS AND CONNECTIONS - CAMERA

BUTTONS AND CONNECTIONS - CAMERA

1. **Antenna**
   Transmits and receives signals
2. **Night Vision IR LEDs**
   Allows you to see up to 10 feet in complete darkness
3. **Camera Lens**
   Point at what you would like to view on the monitor
4. **Microphone**
   Captures all sounds in the baby's room
5. **Night Light**
   Soothe baby to sleep with the built in night light
6. **CDS Light Sensor**
   Detects the absence of light and turns on night vision
7. **Power LED**
   Indicates that the camera is powered on
8. **Power Input**
   Plug the included adapter into this jack
9. **Temperature Sensor**
   Reads the temperature and displays it on the monitor
10. **Battery Compartment**
    Remove screw to install 4 AAA batteries (not included) for a completely wireless system

CAMERA SETUP AND MOUNTING GUIDE

This is a safety notice that is aimed at educating parents and caregivers of the potential safety hazards associated with power cords being placed too close to a crib, play area, or other baby sleep environment. Power cords should NEVER be placed within 3 feet of a crib, or within baby's reach. Using Levana's Camera Setup and Mounting Guide, you can monitor your baby while they sleep safely in their crib.

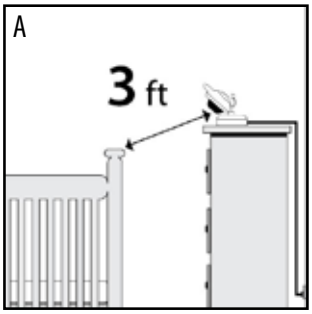
To Mount on a Tabletop Safely (Figure A):

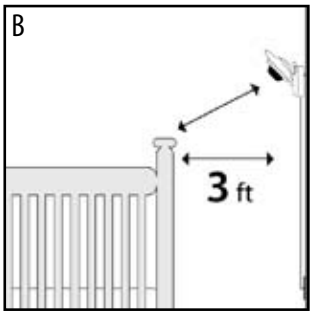
1. Place the camera on a tabletop at least 3 feet away from your baby's crib.
2. Feed the power cord down the back of the table or use wall clips to secure the cord away so baby cannot reach.
3. Plug in the power cord, check to ensure that you can see your child and there are no viewing obstructions.

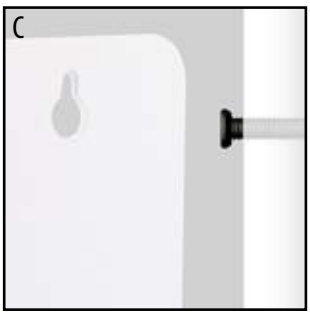
To Mount on a Wall Safely (Figure B-C):

Before drilling a hole, it is important to check the reception and camera positioning in the place that you intend on hanging it to the wall. Ensure you are hanging the camera at least 3 feet away from baby's crib.

1. Pre-drill a hole in the wall using a 3/16", 4.8mm drill bit.
2. Insert a wall anchor into the wall and tap gently with a hammer until the anchor is flush with the wall.
3. Insert a screw into the wall anchor and tighten until the screw only sticks out about 1/2 inch.
4. Plug the power cord into the power jack of the camera.
5. Locate the wall mounting hole on the bottom of the camera.
6. Slide the hole over the screw sticking out of the wall (Figure C).
7. Check to see that the monitor is secure, if it is loose you may have to tighten the screw more.
8. Use wall clips to secure the power cord away from the crib or baby's reach.







For more information please visit our website:
www.mylevana.com/safety

Battery Operation

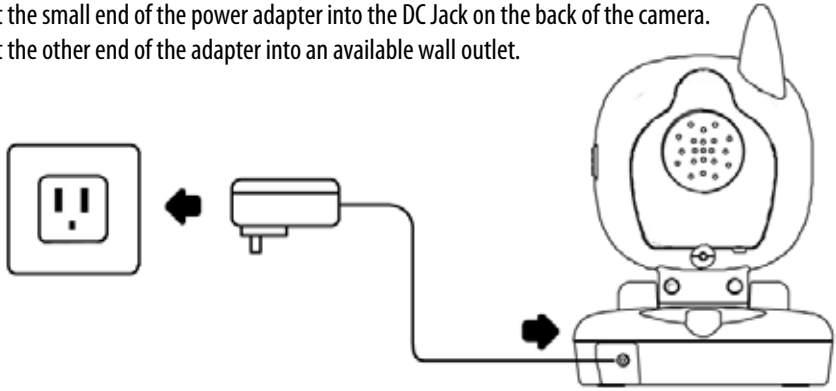
The camera unit can be powered using 4 AAA batteries instead of the included AC adapter.

1. Remove the battery compartment cover on the bottom of the camera base, using a small phillips (cross) head screwdriver.
2. Place 4 AAA batteries (not included) in the compartment, paying attention to the labelled polarity markings.
3. Replace the battery compartment cover using the small screwdriver.

Note: The power LED will flash when the battery charge is low.

Attaching Power to the Camera

1. Connect the small end of the power adapter into the DC Jack on the back of the camera.
2. Connect the other end of the adapter into an available wall outlet.



SETTING UP YOUR SYSTEM

Installing the Rechargeable Battery

1. Turn the belt clip on the back of the monitor unit upwards.
2. Remove the battery compartment cover using a flat edge screwdriver to twist the battery compartment latch to the open position.
3. Insert the included rechargeable battery, ensuring that the copper connections on the battery line up with the copper connections on the inside of the battery compartment.
4. Replace the battery compartment cover and use a flat edge screwdriver to tighten the latch to the locked position.

Charging the Monitor and Rechargeable Battery

1. To charge the battery in the monitor unit, plug the included power adapter into the power input jack on the right side of the monitor.
2. The power LED will light up red to indicate that the battery is being charged.
3. For safety reasons, use ONLY the adapters included in the package.

Note: When the battery in the monitor is low battery, the power LED will turn red, when the power plug has been inserted the power LED will turn green to show it is charging.

CAMERA OPERATION

Switching the Camera ON/OFF

Position the camera to view the area you wish to monitor, angle the camera lens for best view, by turning it up or down.

1. Slide the power switch to the ON position.
2. The Power LED on the front of the camera will light up green. The camera is now ready to operate.
3. To turn OFF the camera, flip the power switch back to the OFF position.

CAMERA OPERATION

Note: If you are using batteries to power the camera unit, and it does not start up when the power switch is in the ON position, you may need to replace the batteries. The Power LED will flash slowly when the batteries are low power.

Night Vision

The camera is equipped with four IR (infrared) LEDs. These LEDs, located on the front of the camera, allow you to see up to ten feet in complete darkness. Allowing you to check your baby at any time of night.The night vision LEDs will activate automatically when the camera detects that the light levels are too low.

Without Night Vision

With Night Vision

MONITOR OPERATION

Switching the Monitor ON/OFF

1. Press and hold the power button ⏻ until you hear two beeps.
2. The LEVANA logo will appear on the screen for a moment followed by the picture being transmitted.
3. To turn off the unit, press and hold the power button ⏻ again for 1 second.

Note: The power LED will turn red when the rechargeable battery is low power.

Setting the Brightness

1. Press the menu button ☰ once.
2. The brightness icon will display on the screen along with the brightness gauge that will indicate the current set level.
3. Use the up and down buttons ▲▼ to adjust the brightness level up and down.

Adjusting the Temperature Display

The ideal temperature for a baby's room is between 16° - 20° C or 61° - 68° F. Please set or adjust the room temperature accordingly.

1. Press the menu button ☰ twice.
2. The temperature icon will display on the screen along with the current status of the temperature function, either Celcius, Fahrenheit, or OFF.
3. Use the up and down buttons ▲▼ to turn the temperature function ON, to switch between either Celcius or Fahrenheit, or to turn the temperature function OFF.

Switching the Night Light ON/OFF

1. Press the menu button ☰ three times.
2. The night light icon will display on the screen along with the current status of the function, either ON or OFF.
3. Use the up and down buttons ▲▼ to turn the night light of the camera ON or OFF.

Selecting a Lullaby

1. Press the play/pause button ▶II on the right hand side of the monitor once.
2. The lullaby icon will appear on the monitor screen, and the last played lullaby will start to play.
3. Press the lullaby button ♫ on the right side of the monitor to select one of five lullabies to play.
4. Press the up and down volume buttons ▲▼ during playback to adjust the volume of the music.

Adjusting the VOX* Sensitivity

VOX = Voice Operated Transmission = Sound Detection

The VOX function allows the camera to transmit video and audio immediately after a sound is heard. Once transmission begins, the video will play for 10 seconds if no more noise is heard. Pressing a button on the monitor will also turn the screen and transmission ON at any time.
Setting the sensitivity of the VOX function will affect how easily the video will be transmitted, one bar will require much louder sounds being detected before transmission will begin, than the five bar setting requires.

1. Press the menu button ☰ four times.
2. The VOX icon VOX will display on the screen along with the current status of the function, either OFF or a gauge indicating the current sensitivity, 1-5.
3. Use the up and down buttons ▲▼ to turn the VOX function OFF or adjust the sensitivity up and down. One bar being the lowest sensitivity and five bars being the highest sensitivity.

Intercom Feature

This video baby monitor is equipped with a 2-way audio intercom to enable you to talk to and soothe your baby back to sleep without going into the room.

1. Press and hold the intercom button TALK in the middle of the front of the monitor.
2. The intercom icon will appear on the monitor screen, and you will be able to speak and be heard through the speaker in the camera.
3. To stop talking release the intercom button. TALK

Range

- When the distance between the camera and monitor is too great, the screen will go black and the range icon will appear , if this happens you will have to move the units closer together.

Adjusting the volume

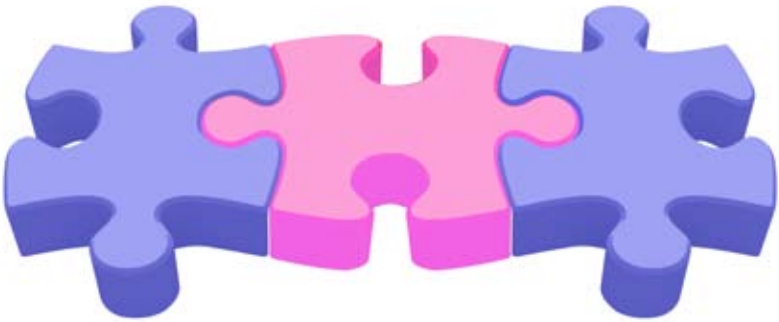
1. In normal monitor operation, you can press the up and down ▲▼ buttons on the monitor to adjust the volume of the noises you are hearing from baby's room.

PAIRING THE DEVICES

The camera and monitor come paired (connected) together. If you do receive this package and the devices do not automatically connect and transmit, you may do so manually.

1. Slide the power switch on the right hand side of the camera to the OFF position.
2. Cover the light sensor on the front of the camera with your finger or a cloth.
3. Slide the power switch on the camera to the ON position.
4. With the monitor switched on, press and hold the play/pause button for two seconds.
5. The pair icon C1 will appear on the screen and the power LED on the camera will blink for a few seconds.
6. Press the menu button on the monitor to confirm the setting.
7. C1... OK! will appear when the camera and monitor are paired successfully and then the video and audio will be transmitted automatically.

Note: If "C1...X" appears (pair failed) instead of "C1...OK!" you will have to remove all sources of power from the camera and monitor and start the pairing process over again.



TROUBLESHOOTING

PROBLEM	SOLUTION
Equipment does not function	• Camera and/or monitor are not switched on • The battery is dead or defective • The power adapters are not connected
No reception/Screen freezes or turns black	• Camera and monitor are not paired • Camera is too far away from monitor • The VOX sensitivity is set too low • No signal
Reception interference (static)	• The camera and monitor are too far apart • The battery power is too low • Other electronic devices are interfering with the signal • The camera or monitor are placed near too many metal objects
Feedback (screeching, static)	• The camera and monitor are too close together • The volume on the monitor is set too high
Noise	• Battery power is too low
Picture works but there is no sound	• Volume setting is too low
Picture is black and white	• Night vision LEDs are ON • Increase the amount of light in the room being monitored
The rechargeable battery will not charge	• The power adapters are not connected • Battery pack is not plugged in inside the battery compartment

Maintenance

- Clean the surfaces of the camera and monitor with a soft, fluff-free cloth
- If the units become dirty, use a lightly damp cloth to wipe surfaces, taking care to not allow water into any openings
- Never use cleaning agents or solvents

Camera Specifications

Input Power	100 - 240 VAC, 50 - 60 Hz ~ 200mA
Output Power	6 VDC ~ 800mA
IR LEDs and Range	4 LEDs, 10 foot range
Range	500 Feet Maximum
Frequency Range	2.4 GHz
Operable Temperature	32 ˚ F to 104 ˚ F (0 ˚ C to 40 ˚ C)
Transmission Power	15 ~17 dBm

Monitor Specifications

Input Power	100 - 240 VAC, 50 - 60 Hz ~ 200 mA
Output Power	6 VDC ~ 800mA
Operable Temperature	32 ˚ F to 104 ˚ F (0 ˚ C to 40 ˚ C)
Screen Size	3.5"
Initial Charging Time	3 Hours
Battery Power Time	4 Hours

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

IC STATEMENT:

Operation of this device is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Read and Keep Instructions: All the safety and operating instructions should be read before the video baby monitor is operated.

Water and Moisture: This product is designed for indoor use only. The unit should not be exposed to rain, moisture, dripping or splashing. No objects filled with liquid should be placed on top of, or beside the product, such as a glass or vase. This item should not be used near water.

Non-Use Periods: Always unplug the AC adapters from the wall outlets during long periods of non-use.

Ventilation: This baby monitor should not be used on a bed, sofa, rug or similar surface that may block the ventilation openings, or be placed in an enclosed area, such as a bookcase or drawer that may impede air flow.

Keep Away from Sources of Heat: This unit should not be exposed to direct heat sources such as a candle, fireplace, radiator, heat register, stove or other appliance that emits heat. The unit should not be left in direct sunlight.

Power Source: This unit should only be used with the AC power adapters included in this package (rated 6V 800mA)

Damage Requiring Service: This unit should be serviced by qualified personnel only when:

a. Objects have fallen or liquid has been spilled into the product
b. The units have been exposed to rain
c. The units do not appear to operate normally or exhibits a distinct change in performance
d. The units have been dropped or the enclosure damaged

Caution: This product cannot replace responsible adult supervision of a child. You should personally check your child's activity at regular intervals.

STATEMENT ON REGULATION

These units are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Operation with non-approved equipment or unshielded cables is likely to result in interference to radio or TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

PRODUCT WARRANTY INFORMATION

Please visit our web site at www.myLEVANA.com for information about your product's warranty

We take quality very seriously. This is why all of our products come with a one year warranty from the original purchase date against defects in workmanship and materials. If you have warranty or support issues please contact us using any of the following methods:

Phone: 1.866.946.7828
Fax: 1.888.771.1701
Web: www.myLEVANA.com

LEVANA Canada
4080 Montrose Road
Niagara Falls, ON
Canada, L2H 1J9

LEVANA USA
60 Industrial Parkway #Z64
Cheektowaga NY 14227
USA 14305

Warranty Terms

1. LEVANA products are guaranteed for a period of one year from the date of purchase against defects in workmanship and materials. This warranty is limited to the repair, replacement or refund of the purchase price at LEVANA's option.
2. This warranty becomes void if the product shows evidence of having been misused, mishandled or tampered with contrary to the applicable instruction manual.
3. Routine cleaning, normal cosmetic and mechanical wear and tear are not covered under the terms of this warranty.
4. The warranty expressly provided for herein is the sole warranty provided in connection with the product itself and no other warranty, expressed or implied is provided. LEVANA assumes no responsibilities for any other claims not specifically mentioned in this warranty.
5. This warranty does not cover the shipping cost, insurance or any other incidental charges.
6. You MUST call LEVANA before sending any product back for repair. You will be sent a Return Authorization form with return instructions. When returning the product for warranty service, please pack it carefully in the original box with all supplied accessories, enclose your original receipt or copy, and a brief explanation of the problem (include RA #).
7. This warranty is valid only in Canada and the continental U.S.
8. This warranty cannot be re-issued.

Levana
Please visit
www.mylevana.com for:
. warranty information
. product support
. contact information
. user manual downloads
. and much more!